

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A method of adjusting transmit times at the radio interface between a network and at least one mobile station in mobile radio system, the method comprising:
generating at said mobile station an adjustment command for adjusting said transmit times;
and

performing adjustments of said transmit times at said mobile station based on said adjustment command, wherein said adjustment command is ~~generated~~ controlled based on adjustment control information received from said network so that said adjustments performed by said mobile station are controlled by said network.

2. (Previously Presented) The method of claim 1, wherein said adjustment control information comprises a command for activating or deactivating said adjustments.

3. (Previously Presented) The method of claim 1, wherein said adjustment control information comprises a maximum amplitude command.

4. (Previously Presented) The method of claim 1, wherein said adjustment control information comprises a maximum frequency command.

5. (Previously Presented) The method of claim 1, wherein said adjustment control information comprises a maximum amplitude command and a maximum frequency command.

6. (Previously Presented) The method of claim 5, wherein said maximum amplitude command provides for a null amplitude corresponding to deactivation of said adjustments.

7. (Previously Presented) The method of claim 1, wherein said adjustment control information is broadcast on a common signaling channel.

8. (Previously Presented) The method of claim 1, wherein said adjustment control information is transmitted over a dedicated signaling channel.

9. (Previously Presented) The method claimed in claim 8, wherein said adjustment control information is transmitted in a "soft handover" message on a dedicated signaling channel.

10. (Canceled)

11. (Currently Amended) A mobile radio network entity ~~comprising a base station controller~~ configured to generate adjustment control information ~~based on adjustment request information transmitted from a mobile station~~, wherein said adjustment control information is

transmitted to ~~said~~ a mobile station which generates an adjustment command for adjusting transmit times, said adjustment command generated at said mobile station being controlled based on said adjustment control information so that adjustments performed by said mobile station are controlled by said ~~base station controller~~ network entity.

12. (Currently Amended) A mobile station comprising:
means for generating an adjustment command for adjusting transmit times; and
means for performing adjustments of said transmit times based on said adjustment command, wherein said adjustment command is ~~generated~~ controlled based on adjustment control information received from said network so that said adjustments are controlled by said network.

13. (Canceled)

14. (Currently Amended) The method of claim 1, further comprising:
~~determining at the mobile station whether a difference between reception times at the mobile station and transmission times at the mobile station is within a predetermined range;~~
transmitting adjustment request information from the mobile station to ~~a base station of the network~~ if the difference is outside of the predetermined range;
~~transmitting the adjustment control information from the base station to the mobile station in response to the adjustment request information.~~

15. (Currently Amended) The method of claim 14, further comprising:
~~transmitting the adjustment request information from the base station to a base station~~
~~controller of the network;~~
~~generating the adjustment control information and an~~ adjustment command information
at the ~~base station controller~~ network based on the adjustment request information;
~~transmitting the adjustment control information and the adjustment command information~~
~~from the base station controller to the base station; and~~
adjusting the transmit times at the ~~base station~~ network based on the said adjustment
command information generated at the network.

16. (Currently Amended) ~~The method of claim 14, further comprising:~~
~~transmitting power control command information from the mobile station to the base~~
~~station; and~~
~~transmitting payload information from the base station to the mobile station with a transmit~~
~~power that is a function of the power control information received from the mobile station~~ The
method of claim 15, further comprising:
generating said adjustment command information at a first network entity,
transmitting said generated adjustment command information from said first network entity
to a second network entity, and
adjusting the transmit times at the network, at said second network entity.

17. (Previously Presented) The method of claim 1, further comprising adjusting transmit times at said network based on adjustment requests received from said mobile station.

18. (Currently Amended) The mobile station of claim 12, further comprising:
~~means determining whether a difference between reception times by the mobile station and said transmit times by the mobile station are within a predetermined range; and~~
means for generating adjustment request information to be transmitted to said network ~~if the difference is outside of the predetermined range.~~

19. (New) The mobile radio network entity of claim 11, further comprising:
means for generating an adjustment command information for adjusting transmit times at the network based on an adjustment request information received from a mobile station.

20. (New) A mobile radio network entity comprising:
means for receiving an adjustment command information generated at the network based on an adjustment request information received from a mobile station; and
means for adjusting transmit times at the network based on said received adjustment command information.

21. (New) The method of claim 1, wherein said adjustment command is generated in a way as to optimize the reaction time of an inner power control loop.

22. (New) The method of claim 1, further comprising:
determining at the mobile station whether a difference between reception times at the mobile station and transmission times at the mobile station is within a predetermined range; and
generating said adjustment command if the difference is outside of the predetermined range.

23. (New) The method of claim 14, wherein said adjustment request information is generated in a way as to optimize the reaction time of an inner power control loop.

24. (New) The method of claim 14, further comprising:
determining at the mobile station whether a difference between reception times at the mobile station and transmission times at the mobile station is within a predetermined range; and
transmitting adjustment request information from the mobile station to the network if the difference is outside of the predetermined range.

25. (New) The mobile station of claim 12, wherein said means for generating an adjustment command comprises:
means for determining at the mobile station whether a difference between reception times at the mobile station and transmission times at the mobile station is within a predetermined range; and

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means for generating said adjustment command if the difference is outside of the predetermined range.

26. (New) The mobile station of claim 18, wherein said means for generating adjustment request information comprises:

means for determining at the mobile station whether a difference between reception times at the mobile station and transmission times at the mobile station is within a predetermined range;

means for generating said adjustment request information if the difference is outside of the predetermined range.